



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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Indianapolis, Indiana 46204  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

August 14, 2008

VIA CERTIFIED MAIL 7007 1490 0000 0840 8738

Mr. Robert E. Lee  
Clark-Floyd Waste Services  
P.O. Box 2128  
Clarksville, Indiana 47131

Dear Mr. Lee:

Re: Approval of Minor Modification to  
Solid Waste Facility Permit FP 10-01  
Clark-Floyd Landfill  
Clark County

Clark-Floyd Waste Services is hereby granted a minor modification to solid waste facility permit FP 10-01, pursuant to IC 13-15-1-3, IC 13-15-7-1, 329 IAC 10-11-6 and 329 IAC 10-13-6. This decision is based on the minor permit modification application submitted to the Indiana Department of Environmental Management (IDEM) on February 25, 2008 and all subsequent amendments and addenda to the application.

This minor permit modification allows Clark-Floyd Waste Services to regrade the final contours of the western unit of the landfill and to incorporate two leachate collection systems, subject to the terms of this letter and the enclosed requirements. In accordance with 329 IAC 10-13-4, solid waste facility permit FP 10-01, as amended by this minor permit modification, does not authorize: any injury to any person or private property; the invasion of other private rights; the infringement of federal, state, or local laws or regulations; nor preempt any duty to comply with other state or local requirements.

The solid waste facility referenced above is located at 1 mile west of Wilson on State Road 60 and contains approximately 172 acres permitted for landfilling.

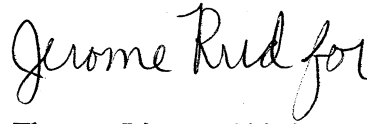
Pursuant to IC 4-21.5, a Petition for Review of this minor permit modification letter may be initiated by you, as applicant, or by an "aggrieved or adversely affected person." This decision becomes effective once all applicable time periods for petitioning for Stays of Effectiveness have expired, unless you are notified in writing by an Environmental Law Judge that the minor permit modification has been further stayed. As discussed in our enclosed Notice of Decision, if you wish to challenge this decision, you must file a Petition for Review with the Office of Environmental Adjudication within 18 days from the date that this letter was mailed, pursuant to IC 4-21.5-3-7.

Mr. Lee

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If you have any questions or comments about your application or the permitting process, call (800) 451-6027, press 0 and ask for Kelly Hall or extension 3-0449, or call direct at (317) 233-0449.

Sincerely,

A handwritten signature in cursive script that reads "Jerome Rud for".

Thomas Linson, Chief  
Permits Branch  
Office of Land Quality

JH

Enclosures: Permit Requirements  
Notice of Decision  
Letter to Jeffersonville Township Public Library  
Letter to the The Evening News

cc: Clark County Health Department (with enclosure)  
Floyd County Health Department (with enclosure)  
The Honorable Ed Meyer, President, Clark County Commissioners (with enclosure)  
The Honorable Stephen Bush, President, Floyd County Commissioners (with enclosure)  
Clark County Solid Waste Management District (with enclosure)  
Floyd County Solid Waste Management District (with enclosure)  
The Honorable Robert D. Hall, Mayor of Charlestown (with enclosure)  
The Honorable Tom Gilligan, Mayor of Jeffersonville (with enclosure)  
The Honorable Douglas England, Mayor of New Albany (with enclosure)  
The Honorable Paul L. Kraft, President of Clarksville Town Council (with enclosure)  
The Honorable Ted Miller, President of Greenville Town Council (with enclosure)  
The Honorable Douglas J. Rider, President of Sellersburg Town Council (with enclosure)

## PERMIT REQUIREMENTS

- 1.0 Regrading, a perimeter berm with a leachate collection system, Construction and Demolition (C/D) waste placement and final cover placement of the 28.7 acre west unit of the landfill shall be performed in accordance with the application and plans submitted to the Indiana Department of Environmental Management (IDEM) on February 25, 2008 and May 5, 2008.
  - 2.0 Waste placement within the 28.7 acre west unit shall be C/D waste only as defined in 329 IAC 10-2-37 and in accordance with 329 IAC 10-9-3.
  - 3.0 The west unit final cover shall consist of the following component materials placed from the top of waste upward:
    - Twelve inches of structural fill.
    - Twelve inches of clay with a hydraulic conductivity of  $1 \times 10^{-6}$  cm per second or less.
    - Forty mil thick LLDPE textured geomembrane.
    - Geocomposite drainage mat.
    - Thirty inches thick protective cover.
    - Six inches thick vegetative layer with grass.
- The methane extraction system must be installed and operational in accordance with the Minor Modification approval letter dated June 22, 1999.
- 4.0 The west unit perimeter berm, leachate collection/storage system and final cover shall be constructed in accordance with the construction details contained on drawing sheets 6 and 7 submitted to IDEM on May 5, 2008.
  - 5.0 Final grades for the entire landfill, including the west unit and cell W-1 shall conform to the grades shown on the final grading plan titled, "Overall Final Grading Plan", dated April 29, 2008, prepared by Cornerstone Environmental Group, LLC and received by IDEM on May 5, 2008.
  - 6.0 Final closure of the 28.7 acre west unit shall proceed in accordance with the unit's closure plan submitted in the application received February 25, 2008 and minor modification response received May 5, 2008, and the applicable requirements of 329 IAC 10.
  - 7.0 Final closure cost for the 28.7 acre west unit is \$2,486,138.00.
  - 8.0 Post-closure cost for the 28.7 acre west unit is \$1,069,469.00.
  - 9.0 The permittee shall establish the funding for the revised closure and post-closure costs no later than thirty (30) days after receipt of the permit and shall furnish proof of the established funding to IDEM no later than forty-five (45) days after receipt of the permit.
  - 10.0 The permittee may recirculate leachate by spraying on the working face "direct application" method in accordance with 329 IAC 10-20-20, 329 IAC 10-20-21 and the following requirements:
    - a. Leachate shall be recycled by using the approved leachate recirculation method, only in areas of the landfill that are constructed with a composite liner system, and leachate collection system satisfying the requirements of 329 IAC 10-20-21 (cell W-1 and section 6).

- b. Leachate shall be recycled at a ratio not exceeding 50 gallons of leachate per ton of waste deposited. The permittee shall maintain in the facility operating records a log documenting the volume of leachate recirculated each day. In the event the permittee is operating a continuous flow meter, the permittee shall keep a log documenting the amount of leachate recirculated on a bi-monthly basis. This log will be in lieu of the daily log.
- c. Whenever leachate recycling is performed, the permittee shall provide a pump with the portable leachate holding tank, or other leachate transport device used, to pick up any spills that may occur. Soils contaminated by any leachate runoff shall be excavated and buried within the working face of the landfill.
- d. If leachate is pumped into a portable leachate holding tank or other conveyance used to transport leachate for recirculation, the filling operation shall be only done in an area equipped with a three (3) foot thick pad surrounded by a two (2) foot high berm, both of compacted clay. The filling area pad shall slope a minimum of one (1) percent towards the berm and shall be covered with a hard, driving surface. The filling area may be of an alternative design as approved by the commissioner if it provides equivalent environmental protection (e.g. a sloped concrete containment pad). Any leachate spills in the leachate loading area must be cleaned up each time the spill occurs.
- e. Should the leachate recycling method fail to satisfy the requirements of 329 IAC 10-20-20 for proper operation of the leachate collection and removal system and 329 IAC 10-20-21(b)(4) for the control of odors, contamination of runoff, or damage to vegetation, the permittee shall cease leachate recirculation until the leachate recirculation system is modified to comply with 329 IAC 10-20-21(c). The permittee shall notify IDEM of the shut down event within 24-hours.
- f. It is recommended that the permittee shall implement appropriate health and safety protection standards found in OSHA during the operation of the leachate recirculation system.
- g. Only one leachate recirculation method may be performed in the same area of the landfill at one time.
- h. Leachate shall be applied by spraying, directly and uniformly, onto the solid waste either prior to or during the waste compaction operation and at no time shall be applied without an observer present. Dumping of leachate, without using a spray irrigation system, shall not be permitted. The leachate recirculation shall not be conducted until a minimum of thirty (30) feet of waste has been placed over the bottom of the landfill. The "Direct Application" method shall be limited to the working face and the 50-foot buffer zone shall be maintained from finished, exterior landfill slopes.
- i. The permittee shall construct a runoff control berm at the downslope toe of the working face to confine runoff to the working face area of the landfill. Any leachate runoff shall be immediately controlled with a portable pump. Soils contaminated by leachate runoff shall be buried within the working face.
- j. The "Direct Application" method shall not be used during periods of rain, when the forecast for rain is above 50 percent, when wind conditions would cause leachate to be blown onto personnel and during periods of extremely cold temperatures.

k. No direct application will be performed in areas of the working face where waste-unloading operations are being performed.

- 11.0 Construction of the composite liner and leachate collection/storage system of cell W-1 shall be performed in accordance with the set of 13 drawings prepared by Jacobi, Toombs & Lanz, dated February 9, 2007, and applicable requirements of 329 IAC 10.
- 12.0 Cell W-1 final cover shall be constructed in accordance with the approved final grading plan, titled "Overall Final Grading Plan", final cover details approved March 3, 1997, and applicable requirements of 329 IAC 10-22. Cell W-1 final cover shall be constructed whenever any area of cell W-1 is filled to its approved elevation, less the distance attributed to the cover materials or within one hundred eighty (180) days of receiving its final waste volume.
- 13.0 Cell W-1 final cover materials must be tested and placed in accordance with the approved Construction Quality Assurance plan.
- 14.0 Final closure of cell W-1 shall proceed in accordance with the facility closure plan titled "Clark Floyd Landfill, Closure Plan, Existing Landfill and Expansion", dated April 3, 1997, received by IDEM on April 17, 1997, and the applicable requirements of 329 IAC 10.
- 15.0 Post-closure monitoring and maintenance of cell W-1 shall be performed in accordance with the post-closure plan titled, "Clark-Floyd Landfill, Post-Closure Plan, Existing Landfill and Expansion", dated April 24, 1997, and applicable requirements of 329 IAC 10-23.

